

WVU DESIGN GUIDELINES & CONSTRUCTION STANDARDS
DIVISION 23 – HEATING, VENTILATION, AND AIR CONDITIONING

SECTION 231123 – NATURAL GAS PIPING

PART 1 - GENERAL

- 1.1 Any deviance from the following instructions must be approved during design by WVU Facilities Management.
- 1.2 Materials and methods for natural gas piping must follow the recommendations from the local natural gas distribution company, current International Plumbing Code, International Building Code and per applicable NFPA and local/municipality codes.

PART 2 - PRODUCTS

- 2.1 Polyethylene pipe (PE) cannot be used if it has been longer than 2 years since the pipe was manufactured. The manufactured date will be on the pipe.
- 2.2 Shop drawing submittals and O&M Material cutsheets must include date of manufacture.

PART 3 – EXECUTION

- 3.1 A continuous length of PE pipe shall be used. Install insulated locator wire above PE pipe but not closer than 6 inches.
- 3.2 Plastic warning tape shall be installed no more than 6 inches below finished grade directly over PE pipe.
- 3.3 Minimum depth of burial shall be 24” unless noted otherwise.
- 3.4 Natural gas piping shall not share trench with any other utility.
- 3.5 Piping installed in trench shall have minimum 6” of limestone sand bedding above and below piping. Trenching cover shall be compacted to minimum 85% of maximum dry unit weight of soil material per ASTM D 698.
- 3.6 Contractor shall use only approved steel risers where applicable, and shall be installed per manufacturer’s instructions.
- 3.7 Transitions, fittings and couplings are not re-usable and shall only be installed new.
- 3.8 Pipe transitions and connections for meter pits, valve pits, etc. shall be suitable for application, approved by pipe manufacturer for intended use, and installed per manufacturer’s instructions.

END OF SECTION 231123